AMENDMENTS TO THE SPECIFICATON

Please replace the paragraph beginning at line 24 of page 2 with the following amended paragraph:

The exendins have some sequence similarity to several members of the glucagon-like peptide family, with the highest homology, 53%, being to GLP-1[7-36]NH_2 [SEQ. ID. NO. **189**~~3~~] (Goke, et al., J. Biol. Chem., 268:19650-55, 1993). GLP-1[7-36]NH_2 is also known as proglucagon[78-107], or simply "GLP-1" as used most often herein. GLP-1 has an insulinotropic effect, stimulating insulin secretion from pancreatic beta cells. GLP-1 has also been reported to inhibit glucagon secretion from pancreatic alpha-cells (Ørsov, et al., Diabetes, 42:658-61, 1993; D'Alessio, et al., J. Clin. Invest., 97:133-38, 1996). The amino acid sequence of GLP-1 is shown in Figure 3. GLP-1 has been reported to inhibit gastric emptying (Willms B, et al., J Clin Endocrinol Metab 81 (1): 327-32, 1996; Wettergren A, et al., Dig Dis Sci 38 (4): 665-73, 1993), and gastric acid secretion (Schjoldager BT, et al., Dig Dis Sci 34 (5): 703-8, 1989; O'Halloran DJ, et al., J Endocrinol 126 (1): 169-73, 1990; Wettergren A, et al., Dig Dis Sci 38 (4): 665-73, 1993)). GLP-1[7-37], which has an additional glycine residue at its carboxy terminus, also stimulates insulin secretion in humans (Ørsov, et al., Diabetes, 42:658-61, 1993). A transmembrane G-protein adenylate-cyclase-coupled receptor said to be responsible at least in part for the insulinotropic effect of GLP-1 has reportedly been cloned from a beta-cell line (Thorens, Proc. Natl. Acad. Sci. USA 89:8641-45, 1992).

Please replace the paragraph beginning at line 21 of page 20 with the following amended paragraph:

Figure 3 depicts the amino acid sequence for GLP-1[7-36]NH_2 (GLP-1) [SEQ. ID. NO. **189**~~3~~].